Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/12/2016 01:50 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124833	-1	1.73	124645	1.70
Blue	F	SSC	125000	124521	-1	3.61	124809	3.41
Blue	E	FITC	22946	22570	-2	2.45	1007	9.65
Blue	D	PE	28770	28279	-2	2.03	1017	8.98
Blue	B	PerCP-Cy5-5	51099	50853	-1	3.34	1460	15.57
Blue	A	PE-Cy7	42312	41858	-2	4.88	647	32.71
Red	C	APC	52169	52157	-1	2.84	2996	9.10
Red	A	APC-Cy7	56705	56572	-1	2.96	1170	10.92
Violet	B	V450	14708	14332	-3	4.40	686	9.03
Violet	A	V500	58608	57553	-2	4.11	2555	6.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19574	3.77	594	-4	N/A	N/A	Pass
Blue	F	SSC	62038	2.15	523	5	N/A	N/A	Pass
Blue	E	FITC	112	36.20	531	0	0.0235	107	Pass
Blue	D	PE	222	25.29	527	1	0.1795	161	Pass
Blue	B	PerCP-Cy5-5	228	41.75	622	0	0.0122	117	Pass
Blue	A	PE-Cy7	73	105.90	669	-2	0.0140	12	Pass
Red	C	APC	352	26.56	589	-1	0.0226	89	Pass
Red	A	APC-Cy7	128	38.39	573	-3	0.0060	1472	Pass
Violet	B	V450	83	41.34	472	13	0.0489	1959	Pass
Violet	A	V500	184	23.85	501	13	0.0138	579	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/12/2016 01:50 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.59	-31.13	0.80
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	17.65	13.27 - 19.91	N/A	N/A	31.32	31.78	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15153

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments